

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61B5/022 G06F17/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61B G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 258 223 A (MICROLIFE INTELLECTUAL PROPERTY) 20 November 2002 (2002-11-20) the whole document	1-10, 12, 13, 16-19
X	US 5 868 679 A (MIYAZAKI MAKOTO) 9 February 1999 (1999-02-09) column 5, line 30 - column 7, line 59; figure 2	1-12, 17-19
X	DE MEERSMAN RONALD E ET AL: "Deriving respiration from pulse wave: A new signal-processing technique" AMERICAN JOURNAL OF PHYSIOLOGY, vol. 270, no. 5 PART 2, 1996, pages H1672-H1675, XP008041228 ISSN: 0002-9513 abstract * Methods & Results S. H1672-H1673 *	1, 3, 5, 14-19
	-/--	

Express Mail No.: EV84285007545

Mailed: 23 MAR 2006

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

14 January 2005

Date of mailing of the international search report

24/01/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2260 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Trachterna, M

International Application No

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

2

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1258223	A	20-11-2002	EP 1258223 A1	20-11-2002
			WO 02091919 A1	21-11-2002
			EP 1387635 A1	11-02-2004
			US 2004097815 A1	20-05-2004
US 5868679	A	09-02-1999	NONE	
US 5170795	A	15-12-1992	AT 139430 T	15-07-1996
			AU 623116 B2	07-05-1992
			AU 3088089 A	22-06-1989
			AU 3088189 A	22-06-1989
			AU 592352 B2	11-01-1990
			AU 5970886 A	08-01-1987
			BR 8603143 A	17-03-1987
			CA 1270565 A1	19-06-1990
			DE 3650531 D1	25-07-1996
			DE 3650531 T2	21-11-1996
			DK 321686 A	06-01-1987
			EP 0207806 A2	07-01-1987
			FI 862853 A	06-01-1987
			JP 5054781 B	13-08-1993
			MX 171712 B	11-11-1993
			NO 862720 A	06-01-1987
			ZA 8605004 A	24-02-1988
			AT 74731 T	15-05-1992
			AU 5981086 A	08-01-1987
			BR 8603142 A	17-03-1987
			CA 1278704 C	08-01-1991
			DE 3684823 D1	21-05-1992
			DK 321486 A	06-01-1987
			EP 0208520 A2	14-01-1987
			FI 862856 A	06-01-1987
			HK 44093 A	14-05-1993
			JP 1843516 C	12-05-1994
			JP 5054782 B	13-08-1993
			JP 62008735 A	16-01-1987
			MX 168538 B	31-05-1993
			NO 862722 A	06-01-1987
			SG 95492 G	24-12-1992
			US 5052397 A	01-10-1991
			ZA 8605008 A	24-02-1988
US 5099853	A	31-03-1992	CA 1331788 C	30-08-1994
			DE 3787725 D1	11-11-1993
			DE 3787725 T2	03-02-1994
			EP 0297146 A1	04-01-1989
			WO 8804910 A1	14-07-1988
			JP 2592513 B2	19-03-1997
EP 0850592	A	01-07-1998	US 5752919 A	19-05-1998
			AU 4842597 A	18-06-1998
			CA 2224831 A1	17-06-1998
			EP 0850592 A2	01-07-1998